

# Desk Top Power Supplies

**POWER  
SOLVE**

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## PSE80 Series 80 Watts Single Output

### Features

- Wide input voltage range of 90-264 VAC
- CEC and Energy Star Compliant
- Active Power Factor Correction
- 3 pin IEC-320-C14 AC Inlet
- Output Voltages available from 12V to 50VDC
- Optional Output Connectors



### Electrical Specification

Electrical Specification	
<b>INPUT</b>	
Input Voltage	90-264VAC with active Power Factor Correction
Input Frequency	47-63Hz
Input Current	1.1A Max
Safety Ground Leakage Current	0.75mA max
No Load Input Power	0.5W max
<b>OUTPUT</b>	
Output Voltage & Current	See Rating Chart
Output Power	80 Watts max
Output Ripple & Noise	1% pk-pk max
Transient Response Time	4mS max full load to half load 100VAC input
Line Regulation	1% max
Load Regulation	5% max
Over Current Protection	110-150% I out
Over Voltage Protection	112-130% V out
Hold Up Time	16mS minimum
<b>ENVIRONMENTAL</b>	
Operating Temperature	0 to 70°C, derate linearly from 100% at 40°C to 50% load at 70°C
Storage Temperature	-40°C to +85°C
Relative Humidity	5-95% max
<b>GENERAL</b>	
Efficiency	87% typical
MTBF	100,000 hours @ 25°C calculated to MIL-HDBK-217F
<b>SAFETY</b>	
Withstand Voltage	Primary to Secondary 4242V DC, Primary to Ground 2121V DC
Isolation Resistance	50Mohm Min
Safety Approvals	UL/cUL60950, TUV/GS(EN60950), CB
EMI/EMC	CISPR22 'B', FCC Part 15 'B', EN55022 'B'
<b>MECHANICAL</b>	
	UL94V-1 plastic enclosure, see drawing for dimensions

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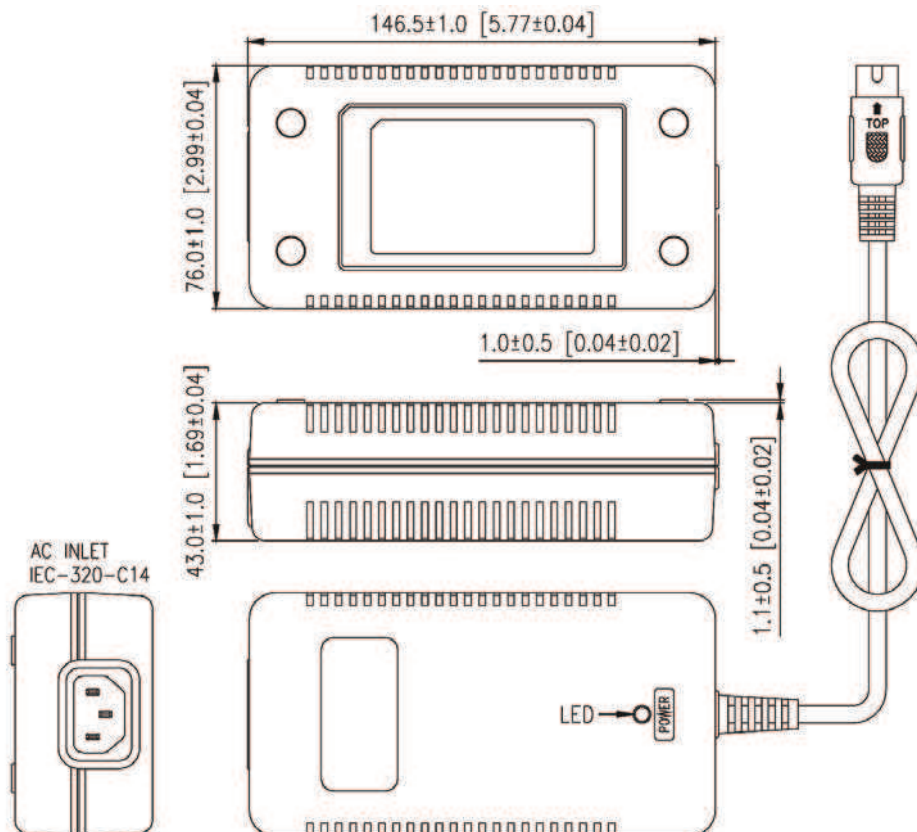
## Output Voltage & Current Ratings

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	MAX OUTPUT POWER
PSE80-12-09	12V DC	6.67A	80 Watts
PSE80-15-09	15V DC	5.33A	80 Watts
PSE80-16-09	16V DC	5.00A	80 Watts
PSE80-18-09	18V DC	4.44A	80 Watts
PSE80-24-09	24V DC	3.33A	80 Watts
PSE80-48-09	48V DC	1.67A	80 Watts

Models above are standard stock items fitted with a 180° 5 pin DIN connector, (-09) on end of part number. Alternative connectors can be fitted, consult sales office for details.

In addition other models are available to order with any voltage in the range of 12V to 50V DC.

## Mechanical Details



All dimensions are shown in mm  
Weight 600-700gms approx